

5. (Amended-Clean Text) An internal member for a plasma treating vessel according to claim 1, wherein the middle layer is a layer of Al_2O_3 or a mixture of Al_2O_3 and Y_2O_3 .

7. (Amended-Clean Text) An internal member for a plasma treating vessel according to claim 1, wherein the Y_2O_3 sprayed coating is a coating having a porosity of 0.5-10% and a thickness of 50-2000 μm .

Please add new claims 11-18 as follows:

11. An internal member for a plasma treating vessel according to claim 2, wherein the metal coating as the undercoat is a coating of one or more metals or alloys selected from Ni and an alloy thereof, W and an alloy thereof, Mo and an alloy thereof and Ti and an alloy thereof and having a thickness of 50-500 μm .

12. An internal member for a plasma treating vessel according to claim 3, wherein the metal coating as the undercoat is a coating of one or more metals or alloys selected from Ni and an alloy thereof, W and an alloy thereof, Mo and an alloy thereof and Ti and an alloy thereof and having a thickness of 50-500 μm .

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13. An internal member for a plasma treating vessel according to claim 2, wherein the middle layer is a layer of Al_2O_3 or a mixture of Al_2O_3 and Y_2O_3 .

14. An internal member for a plasma treating vessel according to claim 3, wherein the middle layer is a layer of Al_2O_3 or a mixture of Al_2O_3 and Y_2O_3 .

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15. An internal member for a plasma treating vessel according to claim 13, wherein the middle layer is formed by a layer having a gradient concentration such that a concentration of Al_2O_3 is high at a side of the undercoat and a concentration of Y_2O_3 is high at a side of the top coat.

16. An internal member for a plasma treating vessel according to claim 14, wherein the middle layer is formed by a layer having a gradient concentration such that a concentration of Al_2O_3 is high at a side of the undercoat and a concentration of Y_2O_3 is high at a side of the top coat.

17. An internal member for a plasma treating vessel according to claim 2, wherein the Y_2O_3 sprayed coating is a coating having a porosity of 0.5-10% and a thickness of 50-2000 μm .